

[Document Name] Abstract

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[Problems] In the course of manufacturing a flat panel display device, an evaporable getter film of excellent getter function is disposed in an image display area in a vacuum vessel as an envelope, while maintaining its active state. Thereby, an inside of the envelope is maintained in a high vacuum state.

[Means for Solution] An active Ba film, for instance, as a getter film 15, is deposited, in a vacuum atmosphere, on a faceplate 10, which has a phosphor layer 12 and a metal back layer 13 that are formed on a substrate 11. Following this, while maintaining the vacuum atmosphere, the faceplate 10, on which the getter film 15 is deposited, and a rear plate 20, which has a plurality of electron emitters 22 formed on the substrate, are hermetically sealed, with support frames 30 interposed between them. A flat panel display device 40 includes an active Ba film formed on for instance the metal back layer 13 as a getter film 15.

[Selected Drawing] FIG. 1